

# Rule Overview



## Terminal and Vessel Plan Workshops

February, 2009

California Environmental Protection Agency



Air Resources Board

# General

- Purpose of regulation is to reduce NOx and diesel PM emissions from container, passenger, and refrigerated cargo vessels while docked at California ports
- Fleets are required to reduce auxiliary engine operation or reduce emissions from engines
- To achieve these goals, the Terminals, Ports, and Utility providers must work with the fleets

# Overview

- What vessels are affected?
- Definition of fleet
- Which ports are affected?
- Exemptions
- Fleet Compliance Options
- Vessel Fleet Plan
- Terminal Plan
- Annual Compliance Statement

# What vessels are affected?

## Vessel Types

- Container
- Refrigerated Cargo
- Passenger

# What is a fleet?

## Fleet Definition

- All owned or chartered ships of one vessel type
- 25 or more annual visits to a port for container-ship and refrigerated-cargo ship fleets
- 5 or more annual visits to a port for passenger-ship fleets

# Ports

- What Ports are included?

- San Diego
- Hueneme
- Long Beach\*
- Los Angeles\*
- Oakland
- San Francisco

\*Considered one port in regulation

# Exemptions

- Continuous and expeditious navigation
- Governmental vessels operating on non-commercial service
- Steamships
- Liquid or compressed natural gas powered ships
- Container or refrigerated-cargo fleets visiting California ports fewer than 25 times per year
- Passenger fleets visiting fewer than 5 times per year

# Fleet Compliance Options

- Reduced Onboard Power Generation
- Equivalent Emissions Reduction Option



# Reduced Onboard Power Generation Option

- Begins January 1, 2014
- Requirements:
  - Reduce fleet's overall auxiliary engine operation
  - Fleet's visit criteria

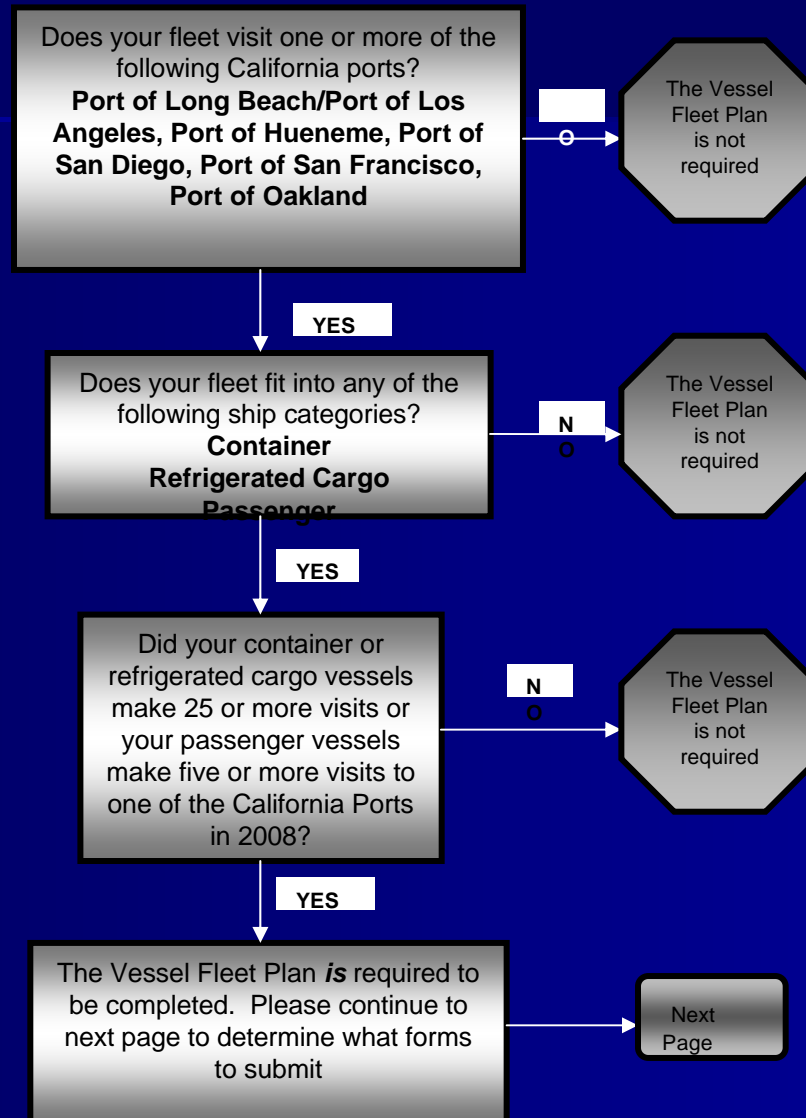
# Equivalent Emissions Reduction Option

- Begins January 1, 2010
- Requirements
  - Percent reduction in fleet's NOx and PM emissions

# Vessel Fleet Plan

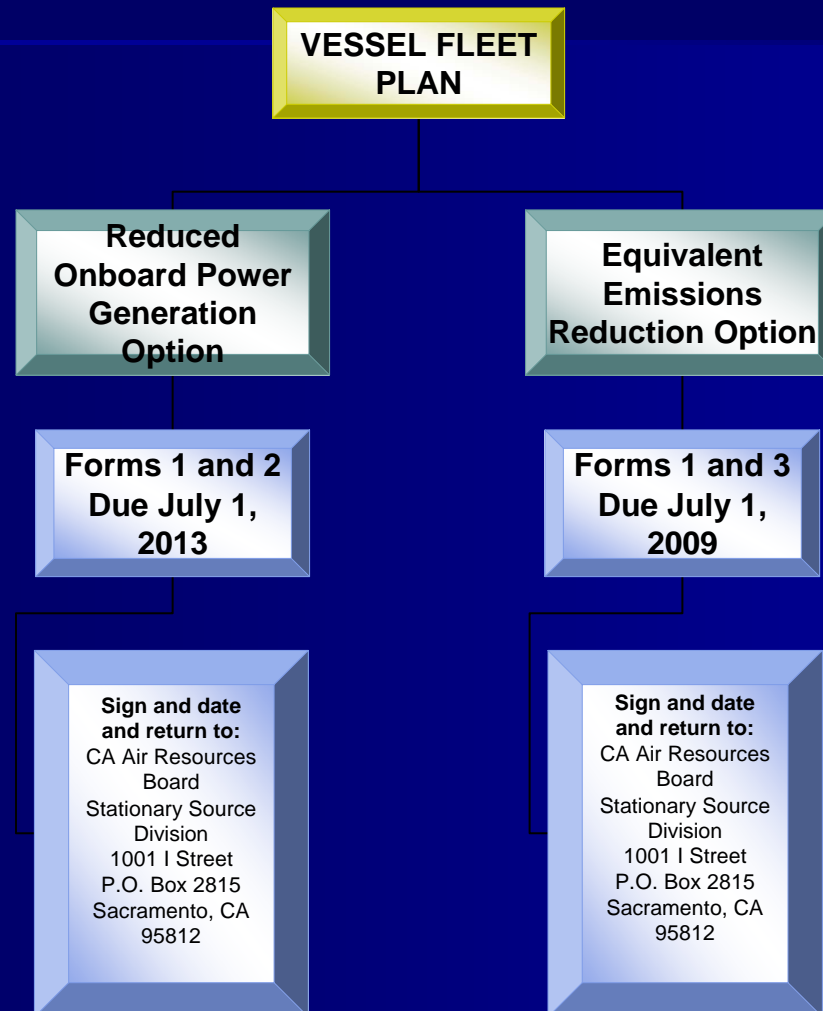
- 25 or more visits (container or refrigerated-cargo) or 5 or more visits (passenger)
- Vessel fleet plan required for each port visited
- Due either July 1, 2009 or July 1, 2013 -dependant on emission reduction option

## *Do I need to submit a Vessel Fleet Plan?*



# ***What forms do I need to submit?***

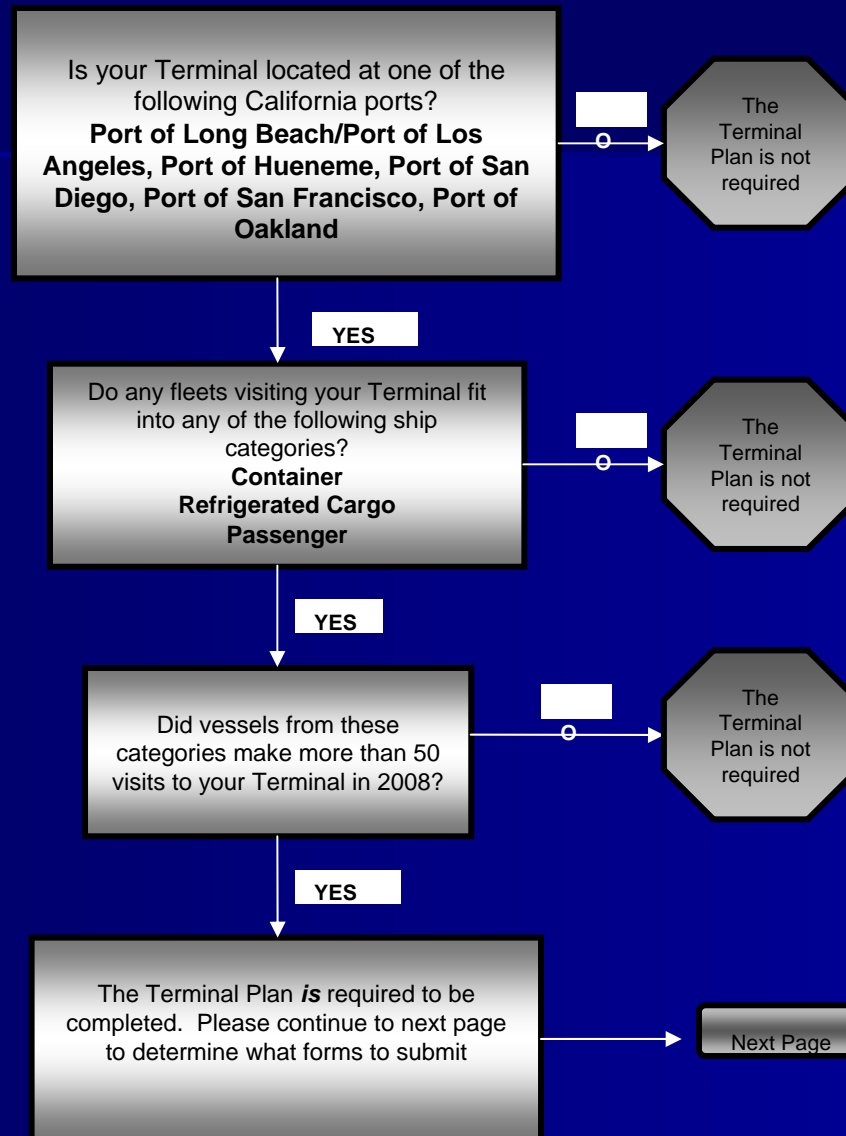
See below for a guide to aid in the determination of which forms are to be filled out to fulfill the Vessel Fleet Plan requirements. Please note plan due dates for each option.



# Terminal Plan

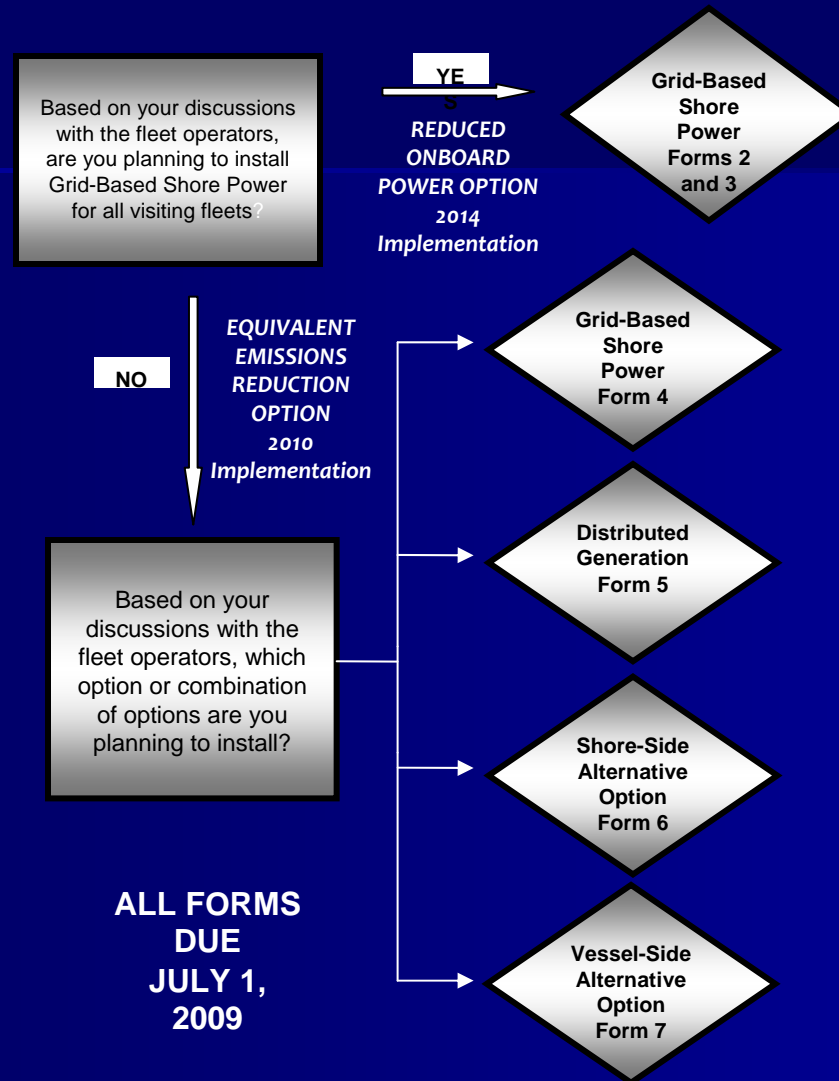
- Terminal Operator is responsible for submitting the plan
- Required if have 50 or more ship visits to terminal in 2008
- Due July 1, 2009

# *Do I need to submit a Terminal Plan?*



# What forms do I need to submit?

All Terminal Plans shall include FORMS 1 AND 8.  
See diagram below for additional forms.





# Annual Compliance Statement

- Reduced Onboard Power Generation
  - Due March 1, 2015 and March 1 of each subsequent year
- Equivalent Emissions Reduction Option
  - Due March 1, 2011 and March 1 of each subsequent year

Questions?